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(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
23 June 2005 (23.06.2005)

PCT

(10) International Publication Number  
**WO 2005/056571 A1**

(51) International Patent Classification<sup>7</sup>: C07H 1/00, 19/16

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(21) International Application Number:

PCT/GB2004/005090

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(30) Priority Data:

0328319.9 5 December 2003 (05.12.2003) GB  
0328321.5 5 December 2003 (05.12.2003) GB

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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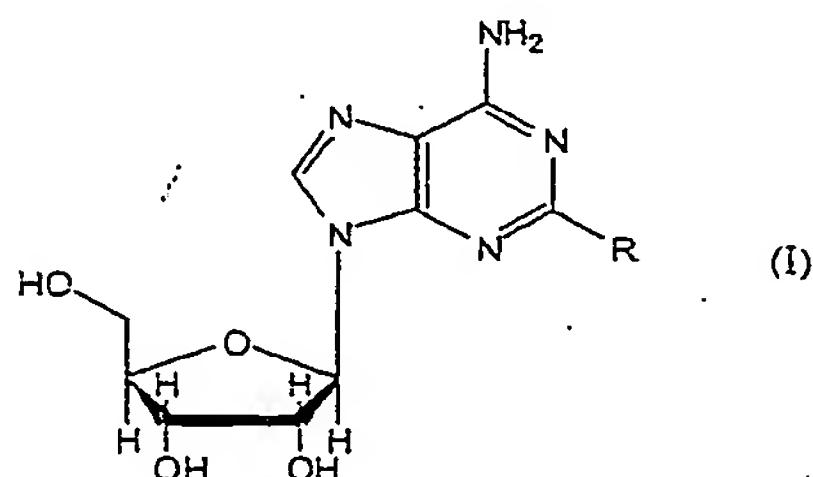
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## Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: IMPROVED SYNTHESIS OF 2-SUBSTITUTED ADENOSINES



(57) Abstract: Synthesis of 2-substituted adenosines of formula (I) using 2-nitro pentabenzoyl adenosine, or 2-nitro pentaacetyl adenosine, as intermediate is described: Formula (I) wherein R = C<sub>1-6</sub> alkoxy (straight or branched), a phenoxy group (unsubstituted, or mono-, or di-substituted by halo, amino, CF<sub>3</sub>-, cyano, nitro, C<sub>1-6</sub> alkyl, or C<sub>1-6</sub> alkoxy), a benzyloxy group (unsubstituted, or mono-, or di-substituted by halo, amino, CF<sub>3</sub>-, cyano, nitro, C<sub>1-6</sub> alkyl, or C<sub>1-6</sub> alkoxy), or a benzoyl group (unsubstituted, or mono-, or di-substituted by halo, amino, CF<sub>3</sub>-, cyano, nitro, C<sub>1-6</sub> alkyl, or C<sub>1-6</sub> alkoxy). The methods provide improved yield and purity of product.

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